

**Abstract**

A soot particle sensor (20) for an exhaust system of an internal combustion engine includes a first electrode device (24) and a second electrode device (32). They are situated at 5 a distance (D) from one another and are able to be exposed to the gas stream, at least in some areas. It is provided that the electrode devices (24, 32) are separated from each other by an intermediate layer (36) made of an electrically insulating material, and that they have free edges (38, 40) 10 that are set apart from each other by the thickness (D) of the intermediate layer (36) and are able to be exposed to the gas stream. Figure 2